(19) World Intellectual Property **Organization**

International Bureau





(43) International Publication Date 13 October 2005 (13.10.2005)

PCT

(10) International Publication Number WO 2005/094653 A1

(51) International Patent Classification⁷: A47K 10/38, B65H 16/06

(21) International Application Number:

PCT/IB2005/000810

(22) International Filing Date: 30 March 2005 (30.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

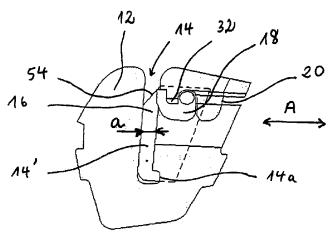
04/50648 1 April 2004 (01.04.2004) FR 04/53010 15 December 2004 (15.12.2004) FR

- (71) Applicant and
- (72) Inventor: GRANGER, Maurice [FR/FR]; 17, rue Marcel Pagnol, F-42270 Saint-Priest-en-Jarez (FR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BRNIC, Stefan [SE/SE]; Tredje Langgatan 38, S-413 27 Goteborg (SE). RANDERS, Jonas [SE/SE]; Tage Mattssons Vag 21B, S-433 32 Partille (SE). HAGMAN, Bjorn [SE/SE]; Fridhemsvagen 11, S-445 55 Surte (SE).

- (74) Agent: DUPUIS, François; Cabinet Laurent & Charras, 3, place de l'Hôtel de Ville, Boîte postale 203, F-42005 Saint Etienne (FR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: LOOK MECHANISM FOR A DISPENSER, ROLL OF MATERIAL AND END PLUG THEREFOR, AND METHOD FOR INSERTING A ROLL OF MATERIAL INTO SUCH LOCK MECHANISM



(57) Abstract: A lock mechanism for a dispenser in combination with an exchangeable roll of material is described. The roll is provided with at least one end plug (50) with a bearing pin (44) for mounting the roll to the lock mechanism of the dispenser. The lock mechanism comprises a lock housing with a guide slot (14) for insertion of the bearing pin (44), the guide slot having a first section (14') with a first width and a second section (14") with a second width which is smaller than the first width. First and second sections (14', 14'') are arranged in a direction perpendicular to the longitudinal extension of the guide slot (14) and in a longitudinal direction of the bearing pin (44) to be received. A sliding element (16) is mounted to the lock housing (12) and movable between a first position closing or narrowing the width of the guide slot (14) and a second position opening the guide slot (14). A lock element (18) is mounted to the sliding element (16) and rotationally movable around an axis of rotation (24) between a locked position and an unlocked position. The lock element (18) is provided with an engagement portion (23) which, in a locked position, is engaged with a locking geometry (32) of the lock housing (12).

WO 2005/094653 A1



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.